# Table 4A

## Evaluation of Soil Remedy Alternatives

### SWMU-59, SWMU-69, SWMU-70, SWMU-71, SWMU-72, SWMU-73, AOC-1

| Soil Remedy Alternatives | Protection of Human Health and the Environment | Short Term Effectiveness | Long Term Effectiveness | Implement-ability | Capital Cost | Annual Cost | Decom-missioning Costs |
|---|---|---|---|---|---|---|---|
| Soil Remedy Alternative S1: Exposure Control | Excellent | Excellent | Excellent | Moderate | $3,009,573 | $5,000 | $15,000 |
| Soil Remedy Alternative S2a: In Situ Stabilization, Area-Wide Approach | Good | Good | Good | Difficult | $8,725,091 | | |
| Soil Remedy Alternative S2b: In Situ Stabilization, Focused Approach, Feasibility Study | Fair | Good | Good | Moderate | $2,144,255 | | |
| Soil Remedy Alternative S2c: In Situ Stabilization, Focused Approach, ADEQ RADD | Good | Good | Good | Moderate | $3,343,491 | | |
| Soil Remedy Alternative S3a: Excavation with Off-Site Disposal as Solid Waste, Area-Wide Approach | Excellent | Excellent | Excellent | Difficult | $50,034,669 | | |
| Soil Remedy Alternative S3b: Excavation with Off-Site Disposal as Solid Waste, Focused Approach | Fair | Excellent | Excellent | Difficult | $11,891,182 | | |
| Soil Remedy Alternative S4a: Soil Vapor Extraction, Area-Wide Approach | Good | Good | Good | Difficult | $6,150,694 | $1,412,553 | $950,789 |
| Soil Remedy Alternative S4b: Soil Vapor Extraction, Focused Approach, Feasiblility Study | Good | Good | Good | Moderate | $1,431,684 | $516,715 | $374,499 |
| Soil Remedy Alternative S4c: Soil Vapor Extraction, Focused Approach, ADEQ RADD | Good | Good | Good | Moderate | $852,920 | $324,430 | $232,444 |
| Soil Remedy Alternative S5: No Further Action | Unacceptable | NA | NA | NA | NA | | |

# Table 4B

## Evaluation of Perched Zone Remedy Alternatives

### SWMU-69, SWMU-70, SWMU-71, SWMU-72, SWMU-73

| Perched Zone Remedy Alternatives | Protection of Human Health and the Environment | Short Term Effectiveness | Long Term Effectiveness | Implement-ability | Capital Cost | Annual Cost | Decom-missioning Costs |
|---|---|---|---|---|---|---|---|
| Perched Zone Groundwater Remedy Alternative P1: Exposure Control | Good | Good | Good | Easy | $25,000 | | $5,000 |
| Perched Zone Groundwater Remedy Alternative P2: Monitored Natural Attenuation | Fair | Poor | Fair | Easy | | $159,509 | $168,064 |
| Perched Zone Groundwater Remedy Alternative P3: In Situ Chemical Oxidation | Poor | Fair | Poor | Not Feasible | $3,673,685 | $3,277,173 | $1,559,330 |
| Perched Zone Groundwater Remedy Alternative P4: In Situ Enhanced Biodegradation | Good | Good | Good | Not Feasible | $3,214,656 | $1,777,030 | $1,651,333 |
| Perched Zone Groundwater Remedy Alternative P5: Hydraulic Control | Poor | Poor | Poor | Difficult | $1,633,432 | $166,150 | $366,799 |
| Perched Zone Groundwater Remedy Alternative P6: Permeable Reactive Barriers | Poor | Poor | Poor | Difficult | $1,167,568 | $73,952 | $209,297 |
| Perched Zone Groundwater Remedy Alternative P7: No Further Action | Unacceptable | NA | NA | NA | NA | | |
| Perched Zone Groundwater Remedy Alternative P8: Contaminant Mass Reduction | Good | Good | Good | Unknown | Unknown | Unknown | Unknown |

# Table 4C

## Evaluation of Alluvial Aquifer Remedy Alternatives

### SWMU-69, SWMU-70, SWMU-71, SWMU-72, SWMU-73

| Alluvial Aquifer Remedy Alternatives | Protection of Human Health and the Environment | Short Term Effectiveness | Long Term Effectiveness | Implement-ability | Capital Cost | Annual Cost | Decom-missioning Costs |
|---|---|---|---|---|---|---|---|
| Alluvial Aquifer Groundwater Remedy Alternative A1: Exposure Controls | Good | Fair | Good | Easy | $50,000 | | $5,000 |
| Alluvial Aquifer Groundwater Remedy Alternative A2: Monitored Natural Attenuation | Fair | Poor | Fair | Easy | $165,286 | $161,383 | $144,713 |
| Alluvial Aquifer Groundwater Remedy Alternative A3: In Situ Enhanced Biodegradation | Good | Good | Good | Moderate | $1,183,260 | $908,850 | $946,519 |
| Alluvial Aquifer Groundwater Remedy Alternative A4: Hydraulic Control | Fair | Fair | Good | Not Feasible | $8,048,186 | $810,201 | $1,136,388 |
| Alluvial Aquifer Groundwater Remedy Alternative A5: In Situ Chemical Oxidation | Fair | Fair | Poor | Not Feasible | $8,026,158 | $3,493,653 | $1,559,330 |
| Alluvial Aquifer Groundwater Remedy A6: No Further Action | Unacceptable | NA | NA | NA | NA | | |

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## Table 4E

### Removal of Site Structures

| Removal of Site Structures | Protection of Human Health and the Environment | Short Term Effectiveness | Long Term Effectiveness | Implement-ability | Capital Cost | Annual Cost | Decom-missioning Costs |
|---|---|---|---|---|---|---|---|
| Removal of Site Structures | | | | | $4,639,000 | | |

# Table 4F

## Evaluation of Drum Vault Remedy Alternatives

### SWMU-72

| Drum Vault Remedy Alternatives | Protection of Human Health and the Environment | Short Term Effectiveness | Long Term Effectiveness | Implement-ability | Capital Cost | Annual Cost | Decom-missioning Costs |
|---|---|---|---|---|---|---|---|
| Drum Vault Remedy Alternative D1: Drum Vault Removal | Excellent | Excellent | Excellent | Moderate | $743,000 | | |
| Drum Vault Remedy Alternative D2: No Further Action | Unacceptable | NA | NA | NA | NA | | |
| Drum Vault Remedy Alternative D3: Waste Stabilization | Good | Excellent | Good | Not Feasible | NA | | |

# Table 4G

## Evaluation of Waste Water Treatment Pond Remedy Alternatives

### SWMU-63, SWMU-64, SWMU-65, SWMU-66, SWMU-68

| Waste Water Treatement Pond Remedy Alternatives | Protection of Human Health and the Environment | Short Term Effectiveness | Long Term Effectiveness | Implement-ability | Capital Cost | Annual Cost | Decom-missioning Costs |
|---|---|---|---|---|---|---|---|
| Waste Water Treatment Pond Remedy Alternative WWTP1: Pond Closure | Excellent | Excellent | Excellent | Moderate | $964,000 | | |
| Waste Water Treatment Pond Remedy Alternative WWTP2: No Further Action | Unacceptable | NA | NA | NA | NA | | |
| Waste Water Treatment Pond Remedy Alternative WWTP3: Continued Use | Unknown | NA | NA | NA | NA | | |